

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 20, 2004, 10:17:02 ; Search time 53 Seconds
(without alignments)

5720.451 Million cell updates/sec

Title: US-09-378-759-11

Perfect score: 5116

Sequence: 1 LLAAVEETLMDSTTAAELG.....ILNSIQVRAQMNIQSVEV 970

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1295356 seqs, 312560742 residues

Total number of hits satisfying chosen parameters: 1285356

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5092	99.5	1055	16	US-10-648-593-139
2	5082.5	99.3	987	15	US-10-295-027-1193
3	4950.5	96.8	995	12	US-10-029-020-62
4	3914.5	76.5	984	12	US-10-029-020-60
5	3641.5	71.2	998	15	US-10-295-027-1183
6	3632.5	71.0	998	14	US-10-354-358-4
7	3632.5	71.0	1007	12	US-10-276-774-2273
8	3590.5	70.2	993	14	US-10-187-958-1
9	3579.5	70.0	896	16	US-10-408-765A-2942
10	3060.5	59.8	985	12	US-10-029-020-61
11	3031	59.2	953	14	US-10-412-277-7
12	3031	59.2	991	10	US-09-823-187-44
13	3026.5	59.2	993	10	US-09-823-187-39
14	3026.5	59.2	993	10	US-09-823-187-41
15	3024	59.1	1104	9	US-09-982-610-36

16	3016	59.0	998	10	US-09-823-187-40	Sequence 40, Appl
17	3014	58.9	975	14	US-10-412-277-8	Sequence 8, Appl
18	3014	58.9	1037	14	US-10-316-124-3	Sequence 3, Appl
19	3014	58.9	1037	15	US-10-353-650-40	Sequence 40, Appl
20	3001	58.7	998	10	US-09-823-187-42	Sequence 42, Appl
21	3001	58.7	998	10	US-09-823-187-43	Sequence 43, Appl
22	2918.5	57.0	983	9	US-09-771-161A-227	Sequence 227, App
23	2918.5	57.0	983	12	US-10-029-020-59	Sequence 59, Appl
24	2918.5	57.0	983	14	US-10-205-823-97	Sequence 97, Appl
25	2918.5	57.0	983	14	US-10-345-680-2	Sequence 2, Appl
26	2918.5	57.0	983	15	US-10-295-027-602	Sequence 602, App
27	2914	57.0	968	14	US-10-412-277-6	Sequence 6, Appl
28	2904	56.8	1005	12	US-10-029-020-63	Sequence 63, Appl
29	2840	55.5	1036	12	US-10-220-955-21	Sequence 21, Appl
30	2837	55.5	1036	10	US-09-971-708-2	Sequence 2, Appl
31	2837	55.5	1036	12	US-10-245-752-104	Sequence 104, App
32	2837	55.5	1036	12	US-10-245-859-104	Sequence 104, App
33	2837	55.5	1036	14	US-10-245-107-104	Sequence 104, App
34	2837	55.5	1036	14	US-10-245-143-104	Sequence 104, App
35	2837	55.5	1036	14	US-10-245-771-104	Sequence 104, App
36	2837	55.5	1036	14	US-10-245-851-104	Sequence 104, App
37	2837	55.5	1036	14	US-10-245-883-104	Sequence 104, App
38	2837	55.5	1036	14	US-10-237-535-104	Sequence 104, App
39	2837	55.5	1036	14	US-10-238-183-104	Sequence 104, App
40	2837	55.5	1036	14	US-10-238-283-104	Sequence 104, App
41	2837	55.5	1036	14	US-10-238-370-104	Sequence 104, App
42	2837	55.5	1036	14	US-10-245-055-104	Sequence 104, App
43	2837	55.5	1036	14	US-10-245-147-104	Sequence 104, App
44	2837	55.5	1036	14	US-10-245-730-104	Sequence 104, App
45	2837	55.5	1036	14	US-10-245-730-104	Sequence 104, App

ALIGNMENTS

RESULT 1

US-10-648-593-139
; Sequence 139, Application US/10648593
; Publication No. US20040106132A1

GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
; TITLE OF INVENTION: INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
; TITLE OF INVENTION: PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
; FILE REFERENCE: D0273 NP
; CURRENT APPLICATION NUMBER: US/10/648,593
; CURRENT FILING DATE: 2003-08-26
; PRIOR APPLICATION NUMBER: 60/406,385
; PRIOR FILING DATE: 2002-08-27
; NUMBER OF SEQ ID NOS: 557
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 139
; LENGTH: 1055
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-648-593-139

Query Match	99.5%	Score	5092	DB	16	Length	1055
Best Local Similarity	99.6%	Pred. No.	0				
Matches	967	Conservative	1	Mismatches	1	Indels	2
Gaps	1						
QY	1	LLAAVEETLMDSTTAAELGVMVHP	PPSGWEVSGVDENNMN	IRTYQVCNVFESSQN	NWLR	60	
Db	15	LLAAVEETLMDSTTAAELGVMVHP	PPSGWEVSGVDENNMN	IRTYQVCNVFESSQN	NWLR	74	
QY	61	TKFIRRRGAHRIHVMKFSVDCS	ISIPVPGSKETFNLYY	EADPDSATKTFPNW	MNP	120	
Db	75	TKFIRRRGAHRIHVMKFSVDCS	ISIPVPGSKETFNLYY	EADPDSATKTFPNW	MNP	134	
QY	121	VWKVDTIIADSFSDVIGGRV	KINTEVRSGFVSRSGF	YLAFODYGCNMSLIA	VRVY	180	
Db	135	VWKVDTIIADSFSDVIGGRV	KINTEVRSGFVSRSGF	YLAFODYGCNMSLIA	VRVY	194	

181 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWMLVPIGR 240
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241 MCKAGFAVENGTVCRCPSGTFKANQDCACTHCPINSRTTSEGATNCVCRNGYVADL 300
255 MCKAGFAVENGTVCRCPSGTFKANQDCACTHCPINSRTTSEGATNCVCRNGYVADL 314
301 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 360
315 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 374
361 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNIITNOA 420
375 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNIITNOA 434
421 APSAVSIMHQVSRVTDVSDITLSNQDPOPNQNGVILDYELQYKELSEYNATAIKSPNTVT 480
435 APSAVSIMHQVSRVTDVSDITLSNQDPOPNQNGVILDYELQYKELSEYNATAIKSPNTVT 494
481 --GLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 538
495 VOGLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 554
539 LIAVWVIAVNCNRGRPERADSEYTDKLOHYTSGHITPGMKIYIDPPTYEDPNEAVREFAK 598
555 LIAVWVIAVNCNRGRPERADSEYTDKLOHYTSGHITPGMKIYIDPPTYEDPNEAVREFAK 614
599 EIDISCVKIEQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIM 658
615 EIDISCVKIEQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIM 674
659 GQPDHNVHLEGVTKSTPVMIIITFMENGSLDSFLRQNDQFTVIQVGLMGLRGAAGM 718
675 GQPDHNVHLEGVTKSTPVMIIITFMENGSLDSFLRQNDQFTVIQVGLMGLRGAAGM 734
719 KYLADWVYVHRDLAARNILVNSLCKVDFGLSRFLEDDTSDPTYTSALGKGFIRWTA 778
735 KYLADWVYVHRDLAARNILVNSLCKVDFGLSRFLEDDTSDPTYTSALGKGFIRWTA 794
779 PEAIQYKFTSASDVMSYGIWVMEVMSYGERPYWDMTNOVDVINAIEQDYRLPPPMDCPSA 838
795 PEAIQYKFTSASDVMSYGIWVMEVMSYGERPYWDMTNOVDVINAIEQDYRLPPPMDCPSA 854
839 LHQLMDCWCKDRNHRPKGQIVNLDKMRPNLSLKAMAPLSSGINPLDRTTIPDYS 898
855 LHQLMDCWCKDRNHRPKGQIVNLDKMRPNLSLKAMAPLSSGINPLDRTTIPDYS 914
899 FNTVDEWLEBAIKGOYKESFANAGFTSFVDSQMMEDILRVGVTLAGHOKKILNSIQVM 958
915 FNTVDEWLEBAIKGOYKESFANAGFTSFVDSQMMEDILRVGVTLAGHOKKILNSIQVM 974
959 RAQMNIQSV 969
975 RAQMNIQSV 985

RESULT 2

US-10-295-027-1193
; Sequence 1193, Application US/10295027
; Publication No. US2003023250A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glyme, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and

; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer

; FILE REFERENCE: 018501-012500US

; CURRENT APPLICATION NUMBER: US/10/295,027

; CURRENT FILING DATE: 2002-11-13

; PRIOR APPLICATION NUMBER: US 09/663,733

; PRIOR FILING DATE: 2000-09-15

; PRIOR APPLICATION NUMBER: US 60/350,666

; PRIOR FILING DATE: 2001-11-13

; PRIOR APPLICATION NUMBER: US 60/335,394

; PRIOR FILING DATE: 2001-11-15

; PRIOR APPLICATION NUMBER: US 60/332,464

; PRIOR FILING DATE: 2001-11-21

; PRIOR APPLICATION NUMBER: US 60/334,393

; PRIOR FILING DATE: 2001-11-29

; PRIOR APPLICATION NUMBER: US 60/340,376

; PRIOR FILING DATE: 2001-12-14

; PRIOR APPLICATION NUMBER: US 60/347,211

; PRIOR FILING DATE: 2002-01-08

; PRIOR APPLICATION NUMBER: US 60/347,349

; PRIOR FILING DATE: 2002-01-10

; PRIOR APPLICATION NUMBER: US 60/355,250

; PRIOR FILING DATE: 2002-02-08

; PRIOR APPLICATION NUMBER: US 60/356,714

; PRIOR FILING DATE: 2002-02-13

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 1386

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1193

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-295-027-1193

Query Match 99.3%; Score 5082.5; DB 15; Length 987;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 967; Conservative 2; Mismatches 1; Indels 3; Gaps 2;

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Db 15 LLAABEETLMDSTTATAELGVMVHPSPGMEVEVSGYDENMTIRTYQVNVFSSQNNWLR 74
Qy 61 TKETRRGAHRHIVEMKFSVRDCSSITPSVPGSKETFNLYYYEADPDSATKTFPNWMEP 120
Db 75 TKETRRGAHRHIVEMKFSVRDCSSITPSVPGSKETFNLYYYEADPDSATKTFPNWMEP 134
Qy 121 WVKVDITIAADESFSDVLGGRVNMKINTEVRSFGPVSRSGFYLAQDYGGCMLIAVRVY 180
Db 135 WVKVDITIAADESFSDVLGGRVNMKINTEVRSFGPVSRSGFYLAQDYGGCMLIAVRVY 194
Qy 181 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWMLVPIGR 240
Db 195 RKCPRIIQNGAIFQETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWMLVPIGR 254
Qy 241 MCKAGFAVENGTVCRCPSGTFKANQDCACTHCPINSRTTSEGATNCVCRNGYVADL 300
Db 255 MCKAGFAVENGTVCRCPSGTFKANQDCACTHCPINSRTTSEGATNCVCRNGYVADL 314
Qy 301 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 360
Db 315 DPLDMPCTTIPSAQAVISSVNETSLMWTTPRDSGGREDLVYNIICKSCSGRACR 374
Qy 361 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNIITNOA 420
Db 375 CGDNVQVAPRQLGLTEPRIYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNIITNOA 434
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Qy 481 --GLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 538
Db 495 VOGLKAGALYVFOVRARTVAGYGRYSGKMYFQTMTEAEYQTSIOEKLPIIIGSSAAGLVF 554

QY 539 LIAVVVIAVCN-RGFERADSEYTDKLQHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 597
DB 555 LIAVVVIAVCNRRGFERADSEYTDKLQHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 614
QY 598 KEIDISCVKIEQVIGAGBFGVCSGHLKLPCKRBEI FVAIKTLKSGYTEKORRDFLSEASI 657
DB 615 KEIDISCVKIEQVIGAGBFGVCSGHLKLPCKRBEI FVAIKTLKSGYTEKORRDFLSEASI 674
QY 658 MGQFDHPNVHLEGVVTKSTPMIITEFMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 717
DB 675 MGQFDHPNVHLEGVVTKSTPMIITEFMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 734
QY 718 MKYLADMYVHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTTYTSALGGKPIRWT 777
DB 735 MKYLADMYVHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTTYTSALGGKPIRWT 794
QY 778 APEAIQYRKFTSASDVWMSYGI VMMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDPCS 837
DB 795 APEAIQYRKFTSASDVWMSYGI VMMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDPCS 854
QY 838 ALHQLMLDCWQDRNHRPKFGQIVNTLDMIRNPNLSLKAMAPLSSGINLPILDRTPIDYT 897
DB 855 ALHQLMLDCWQDRNHRPKFGQIVNTLDMIRNPNLSLKAMAPLSSGINLPILDRTPIDYT 914
QY 898 SFNTVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLAGHOKKILNSIQV 957
DB 915 SFNTVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLAGHOKKILNSIQV 974
QY 958 MRAQMNQIQSVEV 970
DB 975 MRAQMNQIQSVEV 987

RESULT 3

US-10-029-020-62
; Sequence 62, Application US/10029020
; Publication No. US20040033971A1
; GENERAL INFORMATION:
; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/10/029,020
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/286,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 62
; LENGTH: 995
; TYPE: PRT
; ORGANISM: Gallus gallus
US-10-029-020-62

Query Match 96.8%; Score 4950.5; DB 12; Length 995;
; Best Local Similarity 95.6%; Pred. No. 0;
Matches 930; Conservative 28; Mismatches 12; Indels 3; Gaps 2;

RESULT 4

US-10-029-020-60
; Sequence 60, Application US/10029020
; Publication No. US20040033971A1

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DB 23 LIAAEEETLMDSTTATAELGWNVHPSPGWEVSGYDENNMNTIRTYQVCNVPSSQNMLR 82
QY 61 TKPIRRRGARRIHVEMKFSVRDCSSIPSPVSGCKTFNLYYYEADPDSATKTFPKNMENP 120
DB 83 TKYIRRRGARRIHVEMKFSVRDCSSIPNPVPGSCKTFNLYYYESDPSATKTFPKNMENP 142
QY 121 WKVVDIAADESFQVLDLGRVMKINTEVRSFGPVSRSGFYLAFOQYDYGCMSLIAVRVY 180
DB 143 WKVVDIAADESFQVLDLGRVMKINTEVRSFGPVSKNGFYLAFOQYDYGCMSLIAVRVY 202
QY 181 RKCPRIQNGAIFOETLSGAESTSLVAARGSCIANAEVVDVPKLYCNGDGEWLVPIGR 240
DB 203 RKCPRIQNGAVFOETLSGAESTSLVAARGTCISNAEEVDVPKLYCNGDGEWLVPIGR 262
QY 241 MCXAGAEAVENGTVCGCPSGTFKANOQDEACTHCPIINSRTTSEGATNCVCRNGYRADL 300
DB 263 MCRPGYESVENGTVCRCPSGTGTFKASQDGGCVCHCPIINSRTTSEGATNCVCRNGYRADL 322
QY 301 DPLDMPCTTIPSAPOAVISSVNETSLMLEWTPPRDSGREDLVYNIICKSCSGRGACTR 360
DB 323 DPVDMPTTIPSAPOAVISSVNETSLMLEWTPPRDSGREDLVYNIICKSCSGRGACTR 382
QY 361 CGDNVQVAPRQLGLTEPRYIISDLLAHTQYTFBIQAVNGVTDQSPSPQFASVNIITNQ 420
DB 383 CGDNVQVAPRQLGLTEPRYIISDLLAHTQYTFBIQAVNGVTDQSPSPQFASVNIITNQ 442
QY 421 APSAVSTMHQSRTVDSITLSWSQPOPOPNGVILDYLOYYEKEKSELSEYNATAIKSPNTVT 480
DB 443 APSAVSTMHQSRTVDSITLSWSQPOPOPNGVILDYLOYYEKEKSELSEYNATAIKSPNTVT 502
QY 481 --GLKAGAIYVFOVRAVARTVAGYGRYSGMYFQMTAEAYQTSVQEKLPILIGSAGLVF 538
DB 503 VQNLKAGTIYVFOVRAVARTVAGYGRYSGMYFQMTAEAYQTSVQEKLPILIGSAGLVF 562
QY 539 LIAVVVIAVCN-RGFERADSEYTDKLQHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 597
DB 563 LIAVVVIAVCNRRRGFERADSEYTDKLQHYTSGHITFGMKIYIDPTTYEDPNEAVREFA 622
QY 598 KEIDISCVKIEQVIGAGBFGVCSGHLKLPCKRBEI FVAIKTLKSGYTEKORRDFLSEASI 657
DB 623 KEIDISCVKIEQVIGAGBFGVCSGHLKLPCKRBEI FVAIKTLKSGYTEKORRDFLSEASI 682
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DB 683 MGQFDHPNVHLEGVVTKSTPMIITEFMENGSLDSFLRQNDGQFTVIQLVGMURGIAAG 742
QY 718 MKYLADMYVHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTTYTSALGGKPIRWT 777
DB 743 MKYLADMYVHRDLAARNILVNSLVCKVDFGLSRFLEDDTSDPTTYTSALGGKPIRWT 802
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DB 803 APEAIQYRKFTSASDVWMSYGI VMMVEVMSYGERPYWDMTNQDVINAIEQDYRLPPMDPCS 862
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DB 863 ALHQLMLDCWQDRNHRPKFGQIVNTLDMIRNPNLSLKAMAPLSSGINLPILDRTPIDYT 922
QY 898 SFNTVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMEDILRVGVTLAGHOKKILNSIQV 957
DB 923 SFNTVDEWLEAIKMGQYKESFASAGFTTDFIVSQMTVEDILRVGVTLAGHOKKILNSIQV 982
QY 958 MRAQMNQIQSVEV 970
DB 983 MRAQMNQIQSVEV 995

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Db      554  VSLVAISVCSRKRAYSKAVYSDKLQHYSTGRSGPMKIYIDFTYEDPNEAVREFAKE 613
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Db      614  IDVSFVKI BEVIGAGEFGEVYKGRLLKLPKGREIYVAIKTLKAGYSEKQRDFLSEASIMG 673
QY      660  QFDPHNVHLEGVWTKSPVMIIIEFMENGLSDSFLQNDGQFTVLTQVGMLEGIAGMK 719
Db      674  QFDPHNIIELEGVWTKSPVMIIIEFMENGLSDSFLQNDGQFTVLTQVGMLEGIAGMK 733
QY      720  YLADMYVHRDLAARNILWNSNLVKYSDFGLSRFLEDDTSDPTTYSALGGKFFIRWTAP 779
Db      734  YLSEMYVHRDLAARNILWNSNLVKYSDFGLSRYLQDDTSDPTTSSLLGGKIPVWTAP 793
QY      780  EAIQYKFTSASDVWSYGIWVWVWSYGERPYWDMTQDVINAIEQDYRLPPMDCPAL 839
Db      794  EAIYRKFTSASDVWSYGIWVWVWSYGERPYWDMNQDVINAIEQDYRLPPMDCPAL 853
QY      840  HQMLDCQKORNRHPKFGQIVNTLDXMRNPNSLKAMAPLSSGINLPLDRTIPDYTSF 899
Db      854  HQMLDCQKORNSRPF AEIVNTLDXMRNPASLTKVAITAVPSQPLDRSIPDFTAF 913
QY      900  NTVDEWLEAIKMGYKESFANAGTSTSDVVSOMMEDILRVGVTLAGHOKKIINSIQVNR 959
Db      914  TTVDWLWLSAIKMWQYRDSFLTAGTSLQLVMTQMTSEDLRLIGVTLAGHOKKILSSIHSR 973
QY      960  AQMNQIQSV 968
Db      974  VQMNQSPSV 982

RESULT 5
US-10-295-027-1183
; Sequence 1183, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper of BALM

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124 VDTIAADESFQVLDGGRVVKINTEVPSFGPVSRSGEYLAFODYGGCMSLIAVVRPKC 183
157 VDTIAPDESRLDAG---RVNTKVSFGPLSKAGFYLAFOQGCMSLSIVRPFYKC 212
184 PRIIQNGAIFQETLSGAESTLSVAARGSCIANAEVDVPIKLYCNGDGGEWLVPGRCKMCK 243
213 ASTTAGFALPETLTGAEPTSLVAPGTCIPNAVEVSPLKLYCNGDGGEWLVPVGACTCA 272
244 AGFAVENGVTCRCPSGTFKANQGDCACTHCINRSTTSEGATNCVCRNGYYRADLDPL 303
273 TGHEPAAKESQCRPCPPGSYKAKQGEPCLPNPSRSTTSPAASICTCHNNFYRADSDSA 332
304 DMPCTTIPSAQAVISSVNETSLMLETTPRDSGGREDLVNIICKSC--GSGRGACTRC 361
333 DSACTTVPSPPRGVSNVNETSLILEWSEPRDLGVRDLDLYNVIKCKCHGAGSACSR 392
362 GDNVOYAPROLGLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFSPQASVNIITNQAA 421
393 DDNVEFVPRQLGSEPRVHTSHLLAHTRYTFEIOAVNGVSGKSPLPVRYAAVNIITNQAA 452
422 PSASVIMHOVSRTVDSITLWSQDOPNGVILQYVEKELSEYNATAIKSPNTV-- 479
453 PSEVPTLRHSSGSSSLTISWAPERPNGVILQYVEKELSEYNATAIKSPNTV-- 510
480 TGLKAGAIYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 538
511 DGLRPDARYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 570
539 LIAVWVIAIYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 598
571 VVAVVIAIYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 626
599 EIDISCVKIBQVIGAGEFGEVCSGHLKLPQKREIFVAIKTLKSGYTEKQRRDFLSEASIM 658
627 EIDVSCVKIEVIGAGEFGEVCSGHLKLPQKREIFVAIKTLKSGYTEKQRRDFLSEASIM 686
659 GQFDHPNVIHLEGVTKSPVMIITBFMENGSLDSEFLRQNDGQFTVQLVGMRLGIAAGM 718
687 GQFDHPNIRLEGVTKSPVMIITBFMENGSLDSEFLRQNDGQFTVQLVGMRLGIAAGM 746
719 KYLADMYVHRDLAARNILVSNLVCKVSDFGLSRELEDDTSDPTVTSALGKGFPIRMTA 778
747 KYLSEMMYVHRDLAARNILVSNLVCKVSDFGLSRELEDDTSDPTVTSALGKGFPIRMTA 806
779 PEAIQVRKFTSADVMSYGIWVMEVMSYGERPVDWMTNQDVINAIBQDYLPPPPDCPSA 838
807 PEAIYRKFTSADVMSYGIWVMEVMSYGERPVDWMTNQDVINAIBQDYLPPPPDCPSA 866
839 LHQMLDCWOKRNRHPRKFGQIVNTLDKMRPNLSIKAMAPLSSGINLPDLRTTIDYTS 898
867 LHQMLDCWDRNLRPKFSQIVNTLDKMRPNLSIKAMAPLSSGINLPDLRTTIDYTS 926
899 FNTVDWELBAIKRQYKESFANAGFTSFDVWSQMMEDILRVGTVLAGHOKKILNSIQVM 958
927 FTTVGWDLAIKMGYKESFVSGAFASFDLVQMTAEDLLRIGTVLAGHOKKILNSIQVM 986
959 RAQMNIQSVEV 970
987 RLQMNQTLPVQV 998
```

RESULT 7

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US-10-276-774-2273
; Sequence 2273, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276, 774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560, 875
```

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; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496, 914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 2273
; LENGTH: 1007
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-774-2273
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Query Match 71.0%; Score 3632.5; DB 12; Length 1007;

Best Local Similarity 70.5%; Pred. No. 7.7e-264; Matches 685; Conservative 114; Mismatches 158; Indels 15; Gaps 6;

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QY 4 AVEETLMDSTTATAELQWVMHPPSGWEVSGYDENMNTIRTYQVCNVFESSQNNWLRTKF 63
DB ALEETLMDTKWVTSSELAWTSHPSGWEVSGYDEAMNPIRTYQVCNVRESSQNNWLRTGF 105
QY 64 IRRRGARHRIHVEMKFSYRDCSSIPSPVGSCKETFNLYVEADPDSATKTPNMMENPVWK 123
DB IWRDQVRYVVELKFTVRDCNSIPNIPGSKETFNLFYVEADSDVASASFFWENPYVK 165
QY 124 VDTIAADESFQVLDGGRVVKINTEVPSFGPVSRSGEYLAFODYGGCMSLIAVVRPKC 183
DB VDTIAPDESRLDAG---RVNTKVSFGPLSKAGFYLAFOQGCMSLSIVRPFYKC 221
QY 184 PRIIQNGAIFQETLSGAESTLSVAARGSCIANAEVDVPIKLYCNGDGGEWLVPGRCKMCK 243
DB ASTTAGFALPETLTGAEPTSLVAPGTCIPNAVEVSPLKLYCNGDGGEWLVPVGACTCA 281
QY 244 AGFAVENGVTCRCPSGTFKANQGDCACTHCINRSTTSEGATNCVCRNGYYRADLDPL 303
DB TGHEPAAKESQCRPCPPGSYKAKQGEPCLPNPSRSTTSPAASICTCHNNFYRADSDSA 341
QY 304 DMPCTTIPSAQAVISSVNETSLMLETTPRDSGGREDLVNIICKSC--GSGRGACTRC 361
DB DSACTTVPSPPRGVSNVNETSLILEWSEPRDLGVRDLDLYNVIKCKCHGAGSACSR 401
QY 362 GDNVOYAPROLGLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFSPQASVNIITNQAA 421
DB DDNVEFVPRQLGSEPRVHTSHLLAHTRYTFEIOAVNGVSGKSPLPVRYAAVNIITNQAA 461
QY 422 PSASVIMHOVSRTVDSITLWSQDOPNGVILQYVEKELSEYNATAIKSPNTV-- 479
DB PSEVPTLRHSSGSSSLTISWAPERPNGVILQYVEKELSEYNATAIKSPNTV-- 519
QY 480 TGLKAGAIYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 538
DB DGLRPDARYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 579
QY 539 LIAVWVIAIYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 598
DB VVAVVIAIYVQVRAARTVAGYGRYSGKMYFQMTTE--AEYQTSIQEKLPLIIGSSAAGLVF 635
QY 599 EIDISCVKIBQVIGAGEFGEVCSGHLKLPQKREIFVAIKTLKSGYTEKQRRDFLSEASIM 658
DB EIDVSCVKIEVIGAGEFGEVCSGHLKLPQKREIFVAIKTLKSGYTEKQRRDFLSEASIM 695
QY 659 GQFDHPNVIHLEGVTKSPVMIITBFMENGSLDSEFLRQNDGQFTVQLVGMRLGIAAGM 718
DB GQFDHPNIRLEGVTKSPVMIITBFMENGSLDSEFLRQNDGQFTVQLVGMRLGIAAGM 755
QY 719 KYLADMYVHRDLAARNILVSNLVCKVSDFGLSRELEDDTSDPTVTSALGKGFPIRMTA 778
DB KYLSEMMYVHRDLAARNILVSNLVCKVSDFGLSRELEDDTSDPTVTSALGKGFPIRMTA 815
QY 779 PEAIQVRKFTSADVMSYGIWVMEVMSYGERPVDWMTNQDVINAIBQDYLPPPPDCPSA 838
DB PEAIYRKFTSADVMSYGIWVMEVMSYGERPVDWMTNQDVINAIBQDYLPPPPDCPSA 875
QY 839 LHQMLDCWOKRNRHPRKFGQIVNTLDKMRPNLSIKAMAPLSSGINLPDLRTTIDYTS 898
```



```

; APPLICANT: Faby, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2942
; LENGTH: 896
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-408-765A-2942

Query Match      70.0%; Score 3579.5; DB 16; Length 896;
Best Local Similarity 73.4%; Pred. No. 6.3e-260;
Matches 654; Conservative 123; Mismatches 111; Indels 3; Gaps 2;

QY 76 MKFSVDCSSIPVSGSKETFLNYYEADPDSATKTFNNWENPWKVDTTAADESFQ 135
DB 1 MRFTRDCSSLPNVGSKETFLNYYEADPDSATKTFNNWENPWKVDTTAADESFQ 60
QY 136 VDLGGRVMKINTEVRSGFVSRSGFYLAFOGYGCMSLIAVRVFKCPRIIIONGAIFOE 195
DB 61 VDFGRLMKVNTVRSFGPLTRNGFYLAFOGYGACSLLSVRVFKCPRIIIONGAIFOE 120
QY 196 TLGSAESTLSVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRCKCKAGFAVENGTVC 255
DB 121 TMTGAESTLSVIARGTCIFNAEVDVPIKLYCNGDGEWLVPIGRCKCKAGFAVENGTVC 179
QY 256 RGCPSGTFRKANOQDEACTHCPINSRTTSGATNCVCRCNGYVYADLPDMPCTTTPSAPO 315
DB 180 KACPAGTFKASQAECSHCPSNSRSPASPICTCTGYRADPDPPEVACTSVPSGR 239
QY 316 AVTSVNSETSLMLWTTPRDSGREDLVNIIKSCGSGRGACTRCGNVQVAPRLGLT 375
DB 240 NVISIVNETSILMEHPRETGRDDVTYNIICKCRADRRSCRCDDNVFVPLQLGIT 299
QY 376 EPLIYISDLAHTQYTFEIOAVNGVTDOSPSPFASVNITTNQAPSAVSTMHQVSRIV 435
DB 300 ECRVSISSLWHTPYTFDQAINGVSSKSPFPPOHVSVNITTNQAPSTVPIHQVSATM 359
QY 436 DSTLSWSQDPQNGVILDYELQYKEKSELSEYNATAIKSPNTT--VTGLKAGAIYVFOVR 493
DB 360 RSITLSWPQEQNGIILDEYRIYKEKEHNEFNSSMARSTQNTARIDGLRPGMVYVQVR 419
QY 494 ARTVAGYGRYSGMYFOTMTEAYQTSIOEKPLIIGSSAAGLVLLIAVVVIAVNCNRG 553
DB 420 ARTVAGYGRYSGMYFOTMTEAYQTSIOEKPLIIGSSAAGLVLLIAVVVIAVNCNRG 479
QY 554 FERADSEYDKLQHYTSGHITPMKIYIDPFYEDPNEAVREFAKEIDISCKVBOVIGA 613
DB 480 AYSKEAVYDKLQHYTSGRSGPMKIYIDPFYEDPNEAVREFAKEIDVSPFKTEEVICA 539
QY 614 GFGEVCSCHLKLPGKREIFVAIKLKSQYTBKQRDRFLSEASINGQDHPNVIHLEGV 673
DB 540 GFGEVYKGRKLPGKREIYVAIKLKSQYTBKQRDRFLSEASINGQDHPNVIHLEGV 599
QY 674 TKSSTPVMITEFWENGSLDSFLRQNDGQFTVQLVGMRLGIAAGKYLADNVYHRDLAA 733
DB 600 TKSSTPVMITEFWENGSLDSFLRQNDGQFTVQLVGMRLGIAAGKYLADNVYHRDLAA 659
QY 734 RNILNSNLVCKVDFGLRFLDSDTSTYTSALGKGFPIRWTAPAEIAQYKFTSASDV 793
DB 660 RNILNSNLVCKVDFGLRFLDSDTSTYTSALGKGFPIRWTAPAEIAQYKFTSASDV 719
QY 794 WSYGIWMEVMSYGRPYWDMTNQDVINAIEODVELPDPMDCPSSALHOLMDCWKQKORNH 853
DB 853 WSYGIWMEVMSYGRPYWDMTNQDVINAIEODVELPDPMDCPSSALHOLMDCWKQKORNH 779

; APPLICANT: Gangolli et al.
; TITLE OF INVENTION: Polypeptides and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-225
; CURRENT APPLICATION NUMBER: US/10/029,020
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/256,704
; PRIOR FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: 60/311,590
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/257,314
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 60/311,613
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/315,617
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: 60/307,506
; PRIOR FILING DATE: 2001-07-24
; PRIOR APPLICATION NUMBER: 60/322,358
; PRIOR FILING DATE: 2001-09-14
; PRIOR APPLICATION NUMBER: 60/294,075
; PRIOR FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: 60/288,153
; PRIOR FILING DATE: 2001-05-02
; NUMBER OF SEQ ID NOS: 190
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 61
; LENGTH: 985
; TYPE: PRT
; ORGANISM: Xenopus laevis
; US-10-029-020-61

Query Match      59.8%; Score 3060.5; DB 12; Length 985;
Best Local Similarity 59.8%; Pred. No. 7.3e-221;
Matches 579; Conservative 149; Mismatches 219; Indels 21; Gaps 10;

QY 4 AVBETLMDSTTAFAELGVMVHP--PSGWEVSGYDENMTIRTYQVCNVFESSQNNWLRTK 62
DB 28 ASEVTLDSRSVQGLGWIASPLEGGWEVSIIMDEKNTPIRTYQVCNVMESSQNNWLRTD 87
QY 63 FERRGARRHIVEMKESVRDCSIPSPVGSCKETFLNYYEADPDSATKTFNNWENPWY 122
DB 88 WIPRGAQRVYVBIKTLRDCNSLPGVMGTCKETFLNYYESNNDKERTI----RETQV 143
QY 123 KVDTTAADESFSQVDLGGVMKINTEVRSGFVSRSGFYLAFOGYGCMSLIAVRVFKR 182
DB 144 KIDTTAADESFTQVDIGDRIMKLNTEVRDVGPLSKKGFYLAFODVGACIALVSRVFKK 203
QY 183 CPRIIONGAIFOETLSGAESTLSVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRCK 242
DB 204 CPTVRLNLAQFPPTTIGSDTSSLVVRGSCVDNSSEKVP--KMYCGADGSLVPIGNCLC 262
QY 243 KAGFEAVENGTCRCGPGSGTFRKANOQDEACTHCPINSRTTSGATNCVCRCNGYVYADLP 302
DB 263 NAGFEENHGG--CQACKVGYKALSTDAACSKPPHSHYALREGSTCTCDRGYFRADTDP 320
QY 303 LDMPCITISAPQAVLSSVNETSLMLEWTPPRDSGREDLVNIIKSCGSGRGACTRCG 362
DB 362 LDMPCITISAPQAVLSSVNETSLMLEWTPPRDSGREDLVNIIKSCGSGRGACTRCG 320
```


APPLICANT: Patturajan, Meera
APPLICANT: Shimkets, Richard A
APPLICANT: Spaderna, Steven K
APPLICANT: Spytek, Kimberly
APPLICANT: Taupier, Raymond J
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 15966-745
CURRENT APPLICATION NUMBER: US/09/823,187
PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/193,339
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/193,205
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/195,343
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: 60/195,088
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,005
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,792
PRIOR FILING DATE: 2000-04-10
PRIOR APPLICATION NUMBER: 60/196,556
PRIOR FILING DATE: 2000-04-11
PRIOR APPLICATION NUMBER: 60/197,081
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 60/197,525
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/197,087
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 103
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 991
TYPE: PRT
ORGANISM: Homo sapiens
US-09-823-187-44

Query Match 59.2%; Score 3031; DB 10; Length 991;
Best Local Similarity 59.1%; Pred. No. 1.2e-218;
Matches 567; Conservative 163; Mismatches 216; Indels 14; Gaps 10;

QY 6 BETLMDSTATAEGLVWHPSPGWEVSGVDENWNTIRYQVNCVPESSONNLTKTR 65
DB 36 EVNLDSTRTWGDUGNIAFPNGWEEIEGEVDENAFIHIVQVCKVNEQNWLITSLIS 95
QY 66 RRGARHIVEMKFSVRDCSSIPVSGCKETPLNLYYEADFDPSATKTFPNWMPVKVD 125
DB 96 NEGASRPIELKFLTRDCNSLPGLGTCKETFNMYFESDQNGR----NIKENQYKID 151
QY 126 TIADESPFVDLGRVYKNTVRSFPGVSRSGFYLAQDYGGCMSLTAVVEYKCPR 185
DB 152 TIADESFTELDGRVWKLNTVDRVDPGPKGFLAQQDVGACIALVSRVYKCPKPS 211
QY 186 IIQNGAIFQETLSGAESTLSVAARGSCIANAEVDVPIKLYCNGDGEWLPVIGRCWCKAG 245
DB 212 VVRLHAFVDPDITGADSSQLLEVSQCV-NHSVTDEPPPMKHCESAEGEWLVPIGKWCXAG 270
QY 246 FEAVNGVCRGCPGSGFKANQGDCACTHCPINSRTTSGATNCVRCNGYVYRADIPLDM 305
DB 271 YEE-KNGT-CVQRPGRFKASPIQSCGCKPPHSYTHEEASVCVCEKDYFRRESDDPTM 328
QY 306 PCTTIPSAQAVISSVNETSLMLETWPPRDSGGREDLVNIIKSCSGRGCACRGCNDV 365
DB 329 ACTRPPSAPRNAISNNVETSVLEWTPPADTGRKDVYVYIACKKNSHAGVCEBGGHV 388
QY 366 QYAPROGLTEPRVYISDLAHTQYTFEIQAVNGVTDQSPFPOFASVNTITNOAPSAV 425
DB 389 RYLRQSGGLKNTSVWVDDLAAHTNYTFEIAVNGVSDLSFGARQYVSVNVTITNOAPSPV 448
QY 426 SIMHQVSRVDSITLSWSQDPQNGVLDELQYVEKELSEYNATAIKSPNTVT--GLK 483
DB 449 TNVKKGIKANSISLSMCQEPDRENGIILEYIKHFKED-QETSYTIKSKETTITAEGLK 507

QY 484 AGAIYVQVARTVAGYGRYSGMYFQMTAEYOTSIEKPLLIIGSSAAGLVFLIAV 543
DB 508 PASVYVQIARTAGYGVFSRFEET-TPFAASSQSQIPVIANVTVGVILLAVI 566
QY 544 VIAIVNRRGFRADSEYTKLCHYTSGHI-TPGKMIYIDFTYEDPNEAVREFAKEIDI 602
DB 567 GVLISGRGCGYKAKQDPBEEKMHFHNGHIKLPGVRTYIDPHTYEDPNQAVHEFAKTEA 626
QY 603 SCVKIENVIGAGBFVCSGSHLKPCKBEIFVAITKLSGYTEKORRDFLSEASIMGQFD 662
DB 627 SCITIERVIGAGBFVCSGSRKLKPCKRELPAIKLVGYTEKORRDFLSEASIMGQFD 686
QY 663 HPNVHLEGVYTKSTPVMITTEFMENGSLDSPLRNDQGOFTVIQVGLMRLGIAAGMYLA 722
DB 687 HPNIHLEGVYTKSKFPMIVTEYMEENGSLDTPKKNDGQFTVIQVGLMRLGISAAGMYLS 746
QY 723 DMNVYHRDLAARNILVNSNLVKVSDFGLSRFLDSDTPTVTSALGCKFPRTWTAPEAI 782
DB 747 DMGYVHRDLAARNILVNSNLVKVSDFGLSRVLEDD-PEAAVYTR-GGKIPIRTWTAPEAI 804
QY 783 QYKFTSASDVMSYGIWMVMSYGERPYWDMTNDQVINALEQDYRLPPMDCCPSALHQL 842
DB 805 AFRKFTSASDVMSYGIWMVMSYGERPYWDMTNDQVINALEQDYRLPPMDCCPSALHQL 864
QY 843 MLDCKWOKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINPLDRTTPTDTSFNTV 902
DB 865 MLDCKWOKERNRPKFDIVNMLDKLIRPSSKLTVNASCRVSNLLAHPSPGSGVRSV 924
QY 903 DEWLEAIKMGQYKESFANAGFTSFDVVSQMMMEDILRVGVTLAGHKKILNSIQVMAQRM 962
DB 925 GEWLEAIKMGRYTEIFMENGYSYMDAVAQVTLDELRLGLVTLVGHQKIMNSIQVMAQRM 984

RESULT 13
US-09-823-187-39
Sequence 39, Application US/09823187
Publication No. US20030096952A1
GENERAL INFORMATION:
APPLICANT: Burgess, Catherine
APPLICANT: Gusev, Vladimir Y
APPLICANT: Liu, Xiaohong
APPLICANT: Majumder, Kumud
APPLICANT: Padigara, Muralidhar
APPLICANT: Patturajan, Meera
APPLICANT: Shimkets, Richard A
APPLICANT: Spaderna, Steven K
APPLICANT: Spytek, Kimberly
APPLICANT: Taupier, Raymond J
TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
FILE REFERENCE: 15966-745
CURRENT APPLICATION NUMBER: US/09/823,187
CURRENT FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/193,339
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/193,205
PRIOR FILING DATE: 2000-03-30
PRIOR APPLICATION NUMBER: 60/195,343
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: 60/195,088
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,005
PRIOR FILING DATE: 2000-04-06
PRIOR APPLICATION NUMBER: 60/195,792
PRIOR FILING DATE: 2000-04-10
PRIOR APPLICATION NUMBER: 60/196,556
PRIOR FILING DATE: 2000-04-11
PRIOR APPLICATION NUMBER: 60/197,081
PRIOR FILING DATE: 2000-04-13
PRIOR APPLICATION NUMBER: 60/197,525
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/197,087
PRIOR FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 103

QY 242 CKAGFEAVENGTVCGGPGSGTFFKANQDEACTHCPINSTRITSGATNCVCRNGYVRADLD 301
 Db 243 CKAGFEAVENGTVCGGPGSGTFFKANQDEACTHCPINSTRITSGATNCVCRNGYVRADLD 301
 QY 244 CKAGFEAVENGTVCGGPGSGTFFKANQDEACTHCPINSTRITSGATNCVCRNGYVRADLD 301
 Db 245 CKAGFEAVENGTVCGGPGSGTFFKANQDEACTHCPINSTRITSGATNCVCRNGYVRADLD 301
 QY 302 PLDMFCTTIPAPQAVISSVNETSLMLEWTPPRDSGGREDLVNIIICKSCGSGRACATRC 361
 Db 303 PLDMFCTTIPAPQAVISSVNETSLMLEWTPPRDSGGREDLVNIIICKSCGSGRACATRC 361
 QY 323 PPVACTRPPAPQAVISSVNETSLMLEWTPPRDSGGREDLVNIIICKSCGSGRACATRC 361
 Db 324 PPVACTRPPAPQAVISSVNETSLMLEWTPPRDSGGREDLVNIIICKSCGSGRACATRC 361
 QY 362 GDNVOYAPROGLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFPQASVNIITNQA 421
 Db 363 GDNVOYAPROGLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFPQASVNIITNQA 421
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 Db 384 GSNIGMPCQGLVDNYYVMDLHAHANYTFEAVNGVSDLSRQRLFAAVSITGQAA 442
 QY 422 PSVSIHQVSRVDSITLSWSQPDQNGVILDYQYVEKELSE--YNATAIKSPNTV 479
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 QY 443 PSQVSGVMKERVLSQVSELSQEPHPNGVITEYIKYKQDQRTYSTVTKSTAS 502
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 QY 480 TGLKAGAIYVQVARTVAGYGRYSGKMYFQTMTEAEYCTSIQEKLP-LIIGS----- 531
 Db 481 TGLKAGAIYVQVARTVAGYGRYSGKMYFQTMTEAEYCTSIQEKLP-LIIGS----- 531
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 Db 504 NNLKPGTVVFOIRAFATAGYNTSPRLDVATLEAATAVSQBNPVIIVAVAVGTI 562
 QY 538 FLIAVWVIAIYCNRR--GFERADSEYTDKQHYTSGHITPGMKIYIDPFYEDPNEAVREF 596
 Db 539 FLIAVWVIAIYCNRR--GFERADSEYTDKQHYTSGHITPGMKIYIDPFYEDPNEAVREF 596
 QY 563 ILVFMVFGFIIGRHCGYSKADQBGDEELVPHK--FPGTKYIDPETYEDPNEAVHOF 619
 Db 564 ILVFMVFGFIIGRHCGYSKADQBGDEELVPHK--FPGTKYIDPETYEDPNEAVHOF 619
 QY 597 AKEDISCVKIEOVIGAGEFECVCSCHLKLPGKREIFVAIKTKSGYTEKQRDRPLSEAS 656
 Db 598 AKEDISCVKIEOVIGAGEFECVCSCHLKLPGKREIFVAIKTKSGYTEKQRDRPLSEAS 656
 QY 620 AKELDASCICKIERVIGAGEFECVCSCHLKLPGKREIFVAIKTKSGYTEKQRDRPLSEAS 679
 Db 621 AKELDASCICKIERVIGAGEFECVCSCHLKLPGKREIFVAIKTKSGYTEKQRDRPLSEAS 679
 QY 657 IMGQFDHENVIAHLEGVVTKSPVNMIIIFEMVNGSLDSFLRQNDQGTFTVQLVGMRLGIAA 716
 Db 658 IMGQFDHENVIAHLEGVVTKSPVNMIIIFEMVNGSLDSFLRQNDQGTFTVQLVGMRLGIAA 716
 QY 680 IMGQFDHENVIAHLEGVVTKSPVNMIIIFEMVNGSLDSFLRQNDQGTFTVQLVGMRLGIAA 739
 Db 681 IMGQFDHENVIAHLEGVVTKSPVNMIIIFEMVNGSLDSFLRQNDQGTFTVQLVGMRLGIAA 739
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 Db 778 TAPAIQYRKFTSASDVMSYGVIMVWVMSYGERPYDMTNDQVINAIEQYRLPPMDCP 836
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 Db 799 TAPAIQYRKFTSASDVMSYGVIMVWVMSYGERPYDMTNDQVINAIEQYRLPPMDCP 857
 QY 837 SALHQLMLDCKQDRNHRPFGQIVNTLDKMINPNSLKAMAPLSSGILPLDRTIDY 896
 Db 838 SALHQLMLDCKQDRNHRPFGQIVNTLDKMINPNSLKAMAPLSSGILPLDRTIDY 896
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 Db 958 VMRAQM 962
 QY 978 TMRAQM 983
 Db 979 TMRAQM 983

RESULT 15

US-09-982-610-36

Sequence 36, Application US/09982610

Patent No. US20020146420A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

Bennett, Brian D.

Goeddel, David

Lee, James M.

Matthews, William

Tsai, Siao Ping

Wood, William I.

TITLE OF INVENTION: PROTEIN TYROSINE KINASE AGONIST ANTIBODIES

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESS: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: WinPatIn (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/982,610

FILING DATE: 17-Oct-2001

CLASSIFICATION: <Unknown>

APPLICATION DATA:

APPLICATION NUMBER: 08/446,648

FILING DATE: 1996-MAY-23

APPLICATION NUMBER: 08/222616

FILING DATE: 04-APR-1994

ATTORNEY/AGENT INFORMATION:

NAME: Lee, Wendy M.

REGISTRATION NUMBER: 40,378

REFERENCE/DOCKET NUMBER: P0821P3PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 1104 amino acids

TYPE: Amino Acid

TOPOLOGY: Linear

SEQUENCE DESCRIPTION: SEQ ID NO: 36:

US-09-982-610-36

Query Match 59.1%; Score 3024; DB 9; Length 1104;

Best Local Similarity 59.3%; Pred. No. 4,8e-218; Indels 42; Gaps 13;

Matches 580; Conservative 141; Mismatches 215;

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 QY 63 FIBRGARHIVHEKESVDCSSISVPCSCKETNLVYVZADPSATKTFNNMNEPW 122
 Db 88 WITREGAQRVYIETKILDCNLSLPGVGTCKETNLVYVZADPSATKTFNNMNEPW 143
 QY 123 KVDITAADESFSQVLDGRVMKINTEVRSFGVPSRSGFYLAQDYGCGMSLIAVRFYRK 182
 Db 144 KIDTIAADESFTQVDIGRIMKINTEIRDVGLSKGFLAFQDVGACIALVSVEFYKK 203
 QY 183 CPRIIONGALFQETLSAESTSIVAARGSCIANAEVDVPIKLYCNGDEMLVPIGRCMC 242
 Db 204 CPLTVRNLAQFPDTITGADTSSLEVVRGSCVNNSEKVP-KWYCGADGEMLVPIGRCMC 262
 QY 243 KAGFEAVENGTVCRGPGSGTFFKANQDEACTHCPINSTRITSGATNCVCRNGYVRADLD 302
 Db 263 NAGHE--ERSGECQACKIGYKALSTDATCAKCPHYSVWEGATSCCTCDRGFFRADNDA 320
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 QY 422 PSVSIHQVSRVDSITLSWSQPDQNGVILDYQYVEKELSE--YNATAIKSPNTV 479
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 QY 480 TGLKAGAIYVQVARTVAGYGRYSGKMYFQTMTEAEYCTSIQEKLP-LIIGS----- 531
 Db 501 KGLNPLTSTVYVHRVARTVAGYGRYSGKMYFQTMTEAEYCTSIQEKLP-LIIGS----- 549
 QY 532 --SAAGLVFLIAVWVIAIYCNRR--GFERADSEYTDKQHYTSGHITPGMKIYIDPFYED 587

Db	550	LVSVSGSVLWVILIAAFVTSRRRSKYSKAKQEADEE-----KHLNQVRYVDPFTYE	603
Qy	588	DPNEAVREFAFKIDISCVKIEQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYBKQ	647
Db	604	DPNCAVEFAKIDASCIEKIEKIVIGVEFGEVCSGELKVPKREICVAIKTLKAGYDKQ	663
Qy	648	RRDPLSEASIMQOFDRPNVJHLEGVTKSTPVMIIIEFNENGSLDSFLQNDGQFTVIQL	707
Db	664	RRDPLSEASIMQOFDPENIIHLEGVTKCKPVMIIIEFNENGSLDAFLKNDGRFTVIQL	723
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Db	842	RLPPPMDCPIALHQLMLDCWKERSDEPKEGQIVNMLDKLIRNPNSLKXGTGESSRPNTA	901
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Db	902	LLDSESEFSAVSVSGDWLQAIKMDRYKDNFTAAGYTTLEAVVHVNQEDLARIGITAIH	961
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Job time : 56 secs

Blank Sheet U.S. P70

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7

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OM protein - protein search, using sw model

Run on: July 20, 2004, 10:12:41 ; Search time 24 Seconds
(without alignments)
2086.550 Million cell updates/sec

Title: US-09-378-759-11

Perfect score: 5116

Sequence: 1 LLAAVEETLMDSTATAELG.....ILSIQVMAQMNQIQSVEV 970

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2_6/ptodata/2/iaa/5A.COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B.COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A.COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B.COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/6C.COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/6D.COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	5116	100.0	970	2	US-08-449-645A-11
2	5116	100.0	970	2	US-08-702-367A-11
3	5116	100.0	970	5	PCT-US95-04681-11
4	5082	99.3	994	3	US-08-542-635-2
5	4950.5	96.8	995	1	US-08-162-809-18
6	4934.5	96.5	1011	1	US-08-162-809-12
7	4919.5	96.2	995	2	US-08-673-789-5
8	3909.5	76.4	984	2	US-08-673-789-6
9	3706.5	72.4	951	1	US-08-162-809-2
10	3656	71.5	973	1	US-08-162-809-10
11	3649.5	71.3	988	1	US-08-162-809-14
12	3632.5	71.0	988	2	US-08-449-645A-20
13	3632.5	71.0	998	2	US-08-702-367A-20
14	3632.5	71.0	998	2	PCT-US95-04681-20
15	3595.5	70.3	970	2	US-08-673-789-7
16	3590.5	70.2	993	1	US-08-348-143-1
17	3590.5	70.2	993	1	US-08-571-785-1
18	3590.5	70.2	993	4	US-09-192-435-1
19	3590.5	70.2	993	4	US-09-558-340-1
20	3326.5	65.0	973	1	US-08-162-809-8
21	3035	59.3	986	2	US-08-673-789-3
22	3031	59.2	953	4	US-09-751-389-7
23	3031	59.2	967	2	US-08-449-645A-30
24	3031	59.2	967	2	US-08-702-367A-30
25	3031	59.2	986	2	US-08-449-645A-15
26	3031	59.2	986	2	US-08-702-367A-15
27	3031	59.2	986	5	PCT-US95-04681-15

Sequence 13, Appl
Sequence 13, Appl
Sequence 13, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 17, Appl
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Sequence 8, Appl
Sequence 11, Appl
Sequence 2, Appl
Sequence 2, Appl
Sequence 12, Appl
Sequence 6, Appl
Sequence 21, Appl
Sequence 21, Appl

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29 3031 59.2 991 2 US-08-702-367A-13
30 3031 59.2 991 5 PCT-US95-04681-13
31 3024 59.1 1104 1 US-08-222-616-36
32 3024 59.1 1104 4 US-08-446-648-36
33 3024 59.1 1104 4 US-09-982-610-36
34 3024 59.1 1104 5 PCT-US95-04228-36
35 3016 59.0 998 2 US-08-449-645A-17
36 3016 59.0 998 2 US-08-702-367A-17
37 3016 59.0 998 5 PCT-US95-04681-17
38 3016 59.0 998 5 PCT-US95-04681-17
39 3008.5 58.8 993 4 US-08-368-776A-11
40 3001 58.7 998 4 US-08-368-776A-2
41 3001 58.7 998 5 PCT-US96-00419-2
42 2991 58.5 994 4 US-08-368-776A-12
43 2914 57.0 968 4 US-09-751-389-6
44 2912.5 56.9 983 2 US-08-449-645A-21
45 2912.5 56.9 983 2 US-08-702-367A-21

ALIGNMENTS

RESULT 1

US-08-449-645A-11
; Sequence 11, Application US/08449645A
; Patent No. 5981245
; GENERAL INFORMATION:
; APPLICANT: FOX, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBW
; STREET: 1840 Behavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/449,645A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-449-645A-11

Query Match 100.0%; Score 5116; DB 2; Length 970;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 970; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 LLAAVEETLMDSTATAELGWMVHPSPSGVEVSGYDENNMNRTIYQVCNVFESSQNNWLR 60
QY 61 TFIERRRGHRRHVEMKFSVRDCSSIPVPSCKETNLVYYEADPSAKTFFNNWNP 120
DB 61 TFIERRRGHRRHVEMKFSVRDCSSIPVPSCKETNLVYYEADPSAKTFFNNWNP 120
QY 121 WVKVTIADAEFSQVDLQGRVMKINTEVRSFGVRSRGFYLAFDQYGGGSLIAVRFV 180


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Db 121 WVKVDTIAADESFSQVDLGGWVKINTEVRSFGVSRSGFYLAQDYGGCMSLIAVRVY 180
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Db 181 RCPRIIQQGALFQETLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGEMLVPIGR 240
QY 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
Db 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
QY 301 DPLDMPCCTTIPSAQAVISSVNETSLMELWTPRDSGREDLVYNIICKSCSGRGACTR 360
Db 301 DPLDMPCCTTIPSAQAVISSVNETSLMELWTPRDSGREDLVYNIICKSCSGRGACTR 360
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Db 361 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
QY 421 APSAVSIHQVSRVTSITLSWSQDPQNGVILDYELQYVEKELSEYNATAIKSPNTVT 480
Db 421 APSAVSIHQVSRVTSITLSWSQDPQNGVILDYELQYVEKELSEYNATAIKSPNTVT 480
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Db 481 GLKAGAIYVQVARTVAGYGRYGRKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
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Db 541 AVVWIAIVCNRRGPERADSEYTDKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
QY 601 DISCVKIEQVIGAGFGEVCSGHUKLPGRKEIFVAIKTLKSGYTEKORRDFLSEASIMG 660
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Db 721 LADMYVHRDLAARNILVNSLVCKVSDPGLSRPLEDDTSDPYTSALGCKEPIRWTAPE 780
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Db 781 AIQYRKFTSASDVMSYGIWVMSYGERPYWDMTQDVINAIEQDYRLPPEMDCPESALH 840
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Db 841 QLMDCWQKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPLLDRTIPDYTSFN 900
QY 901 TVDEWLEAIKMGQYKESFANAGFTSFQVWSQMMEDILRVGVTLAGHKILNSIQVMRA 960
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QY 961 QMNQIQSVEV 970
Db 961 QMNQIQSVEV 970

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RESULT 2

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US-08-702-367A-11
; Sequence 11, Application US/08702367A
; Patent No 5981246
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF INVENTIONS: Kinases
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RW
; STREET: 1840 DeWitt Drive
; CITY: Thousand Oaks
; STATE: California

```

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; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,367A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-702-367A-11

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Query Match 100.0%; Score 5116; DB 2; Length 970;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 970; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 181 RCPRIIQQGALFQETLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGEMLVPIGR 240
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Db 241 MCKAGFEAVENGTVCRGCPSTFKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
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QY 361 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
Db 361 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
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Db 421 APSAVSIHQVSRVTSITLSWSQDPQNGVILDYELQYVEKELSEYNATAIKSPNTVT 480
QY 481 GLKAGAIYVQVARTVAGYGRYGRKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
Db 481 GLKAGAIYVQVARTVAGYGRYGRKMYFQMTAEYQTSIQEKLPLIIIGSSAAGLVFLI 540
QY 541 AVVWIAIVCNRRGPERADSEYTDKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
Db 541 AVVWIAIVCNRRGPERADSEYTDKLQHYTSGHITPGMKIYIDPFTYEDDNEAVREFAKEI 600
QY 601 DISCVKIEQVIGAGFGEVCSGHUKLPGRKEIFVAIKTLKSGYTEKORRDFLSEASIMG 660
Db 601 DISCVKIEQVIGAGFGEVCSGHUKLPGRKEIFVAIKTLKSGYTEKORRDFLSEASIMG 660
QY 661 FDHPNVHLEGVVTKSTPVMIIITFEMNGSLDSFLRQNDGQFTVIQLVGLRGIAAGMKY 720
Db 661 FDHPNVHLEGVVTKSTPVMIIITFEMNGSLDSFLRQNDGQFTVIQLVGLRGIAAGMKY 720

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QY 721 LADMYVHRDLAARNILVNSNLCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
DB 721 LADMYVHRDLAARNILVNSNLCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
QY 781 AIQYRKFTSASDVMSYGIWVMEVMSYGERPYDMTNDQVINAIEQDYRLPPMDPCPSALH 840
DB 781 AIQYRKFTSASDVMSYGIWVMEVMSYGERPYDMTNDQVINAIEQDYRLPPMDPCPSALH 840
QY 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
DB 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
QY 901 TVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
DB 901 TVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
QY 961 QMNQIQSVEV 970
DB 961 QMNQIQSVEV 970

RESULT 3
PCT-US95-04681-11
; Sequence 11, Application PC/TUS9504681
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBW
; STREET: 1840 Dehaviiland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04681
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-04681-11

Query Match 100.0%; Score 5116; DB 5; Length 970;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 970; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 LLAVEETLMDSTTATLAEGLGMVHPSPGWEVSGYDENMNTIRTYQVNCVFPSSQNNMLR 60
DB 1 LLAVEETLMDSTTATLAEGLGMVHPSPGWEVSGYDENMNTIRTYQVNCVFPSSQNNMLR 60
QY 61 TKFIRRRGAHRIHYEMAFNSVDCSSIPSVPGSKETFNLYYYEADFDSATKTFPNWMEP 120
DB 61 TKFIRRRGAHRIHYEMAFNSVDCSSIPSVPGSKETFNLYYYEADFDSATKTFPNWMEP 120
QY 121 WKYDTTAADESFQVLDGRVMKINTEVRSFGVRSFYLAPODYGGCMLIAVRVYF 180
DB 121 WKYDTTAADESFQVLDGRVMKINTEVRSFGVRSFYLAPODYGGCMLIAVRVYF 180

QY 181 RKCPRIIQNGAIFORTLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRC 240
DB 181 RKCPRIIQNGAIFORTLSGABSTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPIGRC 240
QY 241 MCKAGFEAVENGTVCRGCPGSGTFFKANQDGEACTHCPINSRTTSEGATNCVCRNGYYRADL 300
DB 241 MCKAGFEAVENGTVCRGCPGSGTFFKANQDGEACTHCPINSRTTSEGATNCVCRNGYYRADL 300
QY 301 DPLDMPCCTTIPAPARVATSSVNETSLMLEWTPPDSGGREDLVYNIICKSCGSGRGACTR 360
DB 301 DPLDMPCCTTIPAPARVATSSVNETSLMLEWTPPDSGGREDLVYNIICKSCGSGRGACTR 360
QY 361 CGDNVQYAPRQGLTEPRYIYSDLLAHTQYTFEICAVNGVTDQSPFSPQFASVNNITNOA 420
DB 361 CGDNVQYAPRQGLTEPRYIYSDLLAHTQYTFEICAVNGVTDQSPFSPQFASVNNITNOA 420
QY 421 APSAVSIMHQVSKRTVDSITLWSQDPQNGVILYELQYIEKELSEYNATAIKSPNTVIT 480
DB 421 APSAVSIMHQVSKRTVDSITLWSQDPQNGVILYELQYIEKELSEYNATAIKSPNTVIT 480
QY 481 GLKAGAIYVQVARTVAGYGRYSGKMYFQTMBAEYQTSIQEKLPLIIGSSAAGLVFLI 540
DB 481 GLKAGAIYVQVARTVAGYGRYSGKMYFQTMBAEYQTSIQEKLPLIIGSSAAGLVFLI 540
QY 541 AVVIAIVCNRRGPERADSEYTDKLOHYTSQHTPGMKIYIDPFTYEDPNEAVREFAKEI 600
DB 541 AVVIAIVCNRRGPERADSEYTDKLOHYTSQHTPGMKIYIDPFTYEDPNEAVREFAKEI 600
QY 601 DISCVKIEQVIGAGBFGVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIMQ 660
DB 601 DISCVKIEQVIGAGBFGVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIMQ 660
QY 661 FHPNVHLEGVVTKSTPMTIETEPENGSLDSFLRQNDGQFTVIQLVGMLRGLAAGMKY 720
DB 661 FHPNVHLEGVVTKSTPMTIETEPENGSLDSFLRQNDGQFTVIQLVGMLRGLAAGMKY 720
QY 721 LADMYVHRDLAARNILVNSNLCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
DB 721 LADMYVHRDLAARNILVNSNLCKYSDFGLSRFLDDTSDPTYSALCGKFPPIRWTAPE 780
QY 781 AIQYRKFTSASDVMSYGIWVMEVMSYGERPYDMTNDQVINAIEQDYRLPPMDPCPSALH 840
DB 781 AIQYRKFTSASDVMSYGIWVMEVMSYGERPYDMTNDQVINAIEQDYRLPPMDPCPSALH 840
QY 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
DB 841 QLMDCWQKDRNHRPKFGQIVNTLDMIRNPNLSKAMAPLSSGINLPLDRTIPDYTSFN 900
QY 901 TVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
DB 901 TVDEWLEAIKMGQYKESFANAGFTSFDVVSQMMMEDILRVGVTLAGHOKKILNSIQWRA 960
QY 961 QMNQIQSVEV 970
DB 961 QMNQIQSVEV 970

RESULT 4
US-08-542-635-2
; Sequence 2, Application US/08542635
; Patent No. 6218356
; GENERAL INFORMATION:
; APPLICANT: Pawson, Anthony
; APPLICANT: Henkemeyer, Mark
; APPLICANT: Letwin, Kenneth
; TITLE OF INVENTION: NOVEL NEURAL RECEPTOR
; TITLE OF INVENTION: TYROSINE KINASE
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bereskin & Parr
; STREET: 40 King Street West, Box 401
; CITY: Toronto
; STATE: Ontario

COUNTRY: Canada
 ZIP: M5H 3Y2
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 OPERATING SYSTEM: IBM PC compatible
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/542,635
 FILING DATE:
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: McDiarmid, Shona S.
 REGISTRATION NUMBER: 38,798
 REFERENCE/DOCKET NUMBER: 3153-162
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 364-7311
 TELEFAX: (416) 361-1398
 TELEX: 06-23115
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 994 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ORIGINAL SOURCE:
 ORGANISM: Mus musculus
 DEVELOPMENTAL STAGE: Embryo
 IMMEDIATE SOURCE:
 LIBRARY: lambda gt10 cDNA library
 CLONE: Combined phurACE A2 and K2 and cDNA clones
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: Distal end of chromosome 4
 MAP POSITION: near the abd-1 mutation
 US-08-542-635-2

Query Match 99.3%; Score 5082; DB 3; Length 994;

Best Local Similarity 99.2%; Pred. No. 0;
 Matches 964; Conservative 4; Mismatches 2; Indels 2; Gaps 1;

QY 1 LLAAYEETLMSTTATAGLMMVHPGSGEVSVDENMTTIRYQVKNVFSSQNNWL 60
 DB 23 LLAAYEETLMSTTATAGLMMVHPGSGEVSVDENMTTIRYQVKNVFSSQNNWL 82
 QY 61 TKFIRRGARHIVEMKFSVRDCSSIPSVPCKETFNLYYADPDSATKTFPNMNP 120
 DB 83 TKFIRRGARHIVEMKFSVRDCSSIPSVPCKETFNLYYADPDLATKTFPNMNP 142
 QY 121 WVKVDTIAADESFQVLDLGGVVKINTVEVSFGVSRSGFYLAFOYGGMSLIAVRVY 180
 DB 143 WVKVDTIAADESFQVLDLGGVVKINTVEVSFGVSRSGFYLAFOYGGMSLIAVRVY 202
 QY 181 RCPRIIONGALFQTLISGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLPICRC 240
 DB 203 RCPRIIONGALFQTLISGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLPICRC 262
 QY 241 MCKAGFEAVENGTVCRGCFSGTFRKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
 DB 263 MCKAGFEAVENGTVCRGCFSGTFRKANQDEACTHCPINSRTTSEGATNCVCRNGYRADL 322
 QY 301 DPLDMPCCTIISAPQAVISSNETSLMELTPRDSGREDLYNLIKSCGSGGACTR 360
 DB 323 DPLDMPCCTIISAPQAVISSNETSLMELTPRDSGREDLYNLIKSCGSGGACTR 382
 QY 361 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 420
 DB 383 CGDNVQYAPRQLGTEPRYISDLAHTQYTFEIQAVNGVTDQSPSPQFASVNTTNOA 442
 QY 421 APSAVSIWHQVSRVDSITLSWSQDOPNGVILDYELQYVEKELSEYNATATKSPNTVT 480
 DB 443 APSAVSIWHQVSRVDSITLSWSQDOPNGVILDYELQYVEKELSEYNATATKSPNTVT 502

QY 481 --GLKAGAIYVQVRARTVAGYGRYSGMKYFQTMTEAYEYQTSIOEKPLIIGSSAAGLVF 538
 DB 503 VOGLKAGAIYVQVRARTVAGYGRYSGMKYFQTMTEAYEYQTSIOEKPLIIGSSAAGLVF 562
 QY 539 LIAVVVIAIVCNRGRFERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDPNEAVREFAK 598
 DB 563 LIAVVVIAIVCNRGRFERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDPNEAVREFAK 622
 QY 599 EIDISCWKIEQVIGAGEGECVSHLKLPGKREIFVAIKTLKSGYTEKORRDFLSEASIM 658
 DB 623 EIDISCWKIEQVIGAGEGECVSHLKLPGKREIFVAIKTLKSGYTEKORRDFLSEASIM 682
 QY 659 GQPDHNVHLEGVVTKSTPVMITERNENGSLDSFLRQNDGQFTVIQVGLMRLGIAAGM 718
 DB 683 GQPDHNVHLEGVVTKSTPVMITERNENGSLDSFLRQNDGQFTVIQVGLMRLGIAAGM 742
 QY 719 KYLADMMYVHRDLAARNILVNSNLVCKVSDFLGRFLEDDTSDPTYSALGKGPPIRWTA 778
 DB 743 KYLADMMYVHRDLAARNILVNSNLVCKVSDFLGRFLEDDTSDPTYSALGKGPPIRWTA 802
 QY 779 PEAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIEQDYRLPPMDCPSA 838
 DB 803 PEAIQYRKFTSASDVMSYGIWMEVMSYGERPYWDMNQDVINAIEQDYRLPPMDCPSA 862
 QY 839 LHQMLDWCQKDRNHRPKFGQIVNTLDKMIKPNLSKAMAPLSSGINLPLLDRTIPDYS 898
 DB 863 LHQMLDWCQKDRNHRPKFGQIVNTLDKMIKPNLSKAMAPLSSGINLPLLDRTIPDYS 922
 QY 899 FNTVDEWLEAIKMGQYKESFANAGTSDVVSOMMEDILRVGUTLACHOKKILNSIQVM 958
 DB 923 FNTVDEWLEAIKMGQYKESFANAGTSDVVSOMMEDILRVGUTLACHOKKILNSIQVM 982
 QY 959 RAQMNQIQSVEV 970
 DB 983 RAQMNQIQSVEV 994

RESULT 5
 US-08-162-809-18
 ; Sequence 18, Application US/08162809
 ; Patent No. 5457048
 ; GENERAL INFORMATION:
 ; APPLICANT: Pasquale, Elena B.
 ; APPLICANT: Sajjadi, Fereydoon G.
 ; TITLE OF INVENTION: NOVEL EPH-RELATED TYROSINE KINASES
 ; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES, AND METHODS OF USE
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CAMPBELL AND FLORES
 ; STREET: 4370 La Jolla Village Drive, Suite 700
 ; CITY: San Diego
 ; STATE: California
 ; COUNTRY: United States of America
 ; ZIP: 92122
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/162,809
 ; FILING DATE:
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Campbell, Cathryn A.
 ; REGISTRATION NUMBER: 31,815
 ; REFERENCE/DOCKET NUMBER: P-LJ 9503
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 535-9001
 ; TELEFAX: (619) 535-8949
 ; INFORMATION FOR SEQ ID NO: 18:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 995 amino acids

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-162-809-18

Query Match 95.8%; Score 4950.5; DB 1; Length 995;
Best Local Similarity 95.6%; Pred. No. 0;
Matches 930; Conservative 28; Mismatches 12; Indels 3; Gaps 2;

```
QY 1 LLAAVEETLMDSTTATAELGWMVHPSPGWEVSGYDENMMNTIRTYQVCNVFESSQNNWLR 60
DB 23 LLAAVEETLMDSTTATAELGWMVHPSPGWEVSGYDENMMNTIRTYQVCNVFESSQNNWLR 82
QY 61 TKFIRRGARHIVHMKFSVRDCSSIPSPGSCKETFNLYYEADSDATKTFPNNMNP 120
DB 83 TKYIRRGARHIVHMKFSVRDCSSIPSPGSCKETFNLYYEADSDATKTFPNNMNP 142
QY 121 WKVVDTTAADESPQVDLGRVMKINTEVRSPGVSKNGFYLAQDYGCCMSLIAVRVY 180
DB 143 WKVVDTTAADESPQVDLGRVMKINTEVRSPGVSKNGFYLAQDYGCCMSLIAVRVY 202
QY 181 RKPRIIIONGAIFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLPVIGRC 240
DB 203 RKPRIIIONGAIFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLPVIGRC 262
QY 241 MCKAGFAVENGTVCRCPSGTGKANGQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
DB 263 MCRPGYESVNGTVCRCPSGTGKANGQDEACTHCPINSRTTSEGATNCVCRNGYRADL 322
QY 301 DPLDMPCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR 360
DB 323 DPVDMFCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR 382
QY 361 CGDNVQAPQLGTEPRYISLLAHTQYTFEIQAVNGTVDOSPPSPQFASVNTTQQA 420
DB 383 CGDNVQAPQLGTEPRYISLLAHTQYTFEIQAVNGTVDOSPPSPQFASVNTTQQA 442
QY 421 APSAVSMHQSRTVDSITLSWSQPPQNGVILDYELQYKEKELSEYNATALKSPNTVT 480
DB 443 APSAVSMHQSRTVDSITLSWSQPPQNGVILDYELQYKEKELSEYNATALKSPNTVT 502
QY 481 --GLKAGAIYVQVRAITVAGYGRYSGMYFQMTAEYQTSIQEKLPIIGSSAAGLVF 538
DB 503 VQNIKAGTIYVQVRAITVAGYGRYSGMYFQMTAEYQTSIQEKLPIIGSSAAGLVF 562
QY 539 LIAVWIAIYCN--RRGPERADSEYTDKQHYTSGHTPGMKIYIDPFTYEDNEAVRFA 597
DB 563 LIAVWIAIYCN--RRGPERADSEYTDKQHYTSGHTPGMKIYIDPFTYEDNEAVRFA 622
QY 598 KEIDISCVKIEQVIGAGEPGEVCSGHLKLPKREIFVAIKLKGYTEKQRDFLSEASI 657
DB 623 KEIDISCVKIEQVIGAGEPGEVCSGHLKLPKREIFVAIKLKGYTEKQRDFLSEASI 682
QY 658 MGQFDHNVHLEGVTKSTFVMIITEFMENGLSDSFLRQNDQGFVQLVGMGLGIAAG 717
DB 683 MGQFDHNVHLEGVTKSTFVMIITEFMENGLSDSFLRQNDQGFVQLVGMGLGIAAG 742
QY 718 MKYLADNNYVHRDLAARNIIVNGLVCKYSDFGLSRPLEDDTSDPYTTSALGCKPIRWT 777
DB 743 MKYLADNNYVHRDLAARNIIVNGLVCKYSDFGLSRPLEDDTSDPYTTSALGCKPIRWT 802
QY 778 APEAIQYRKFTASDVWSYGIWVMEVMSYGERPYWDMTQDVINAIEQDYRLPPPMDCPS 837
DB 803 APEAIQYRKFTASDVWSYGIWVMEVMSYGERPYWDMTQDVINAIEQDYRLPPPMDCPN 862
QY 838 ALHQLMLDCQKORNRHPPKQGVINTLDKMRNPNSLKAMAPLSSGINPLLDRTIPDYT 897
DB 863 ALHQLMLDCQKORNRHPPKQGVINTLDKMRNPNSLKAMAPLSSGINPLLDRTIPDYT 922
QY 898 SFNTVDWELAIKQGVKEFANAGFTSPDVVSWMMEDILRVGVTLAGHQKILNSIQV 957
DB 923 SFNTVDWELAIKQGVKEFANAGFTSPDVVSWMMEDILRVGVTLAGHQKILNSIQV 982
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QY 958 MRAQMNIQIQSVV 970
DB 983 MRAQMNIQIQSVV 995

RESULT 6

US-08-162-809-12
; Sequence 12, Application US/08162809
; Patent No. 5457048
; GENERAL INFORMATION:
; APPLICANT: Pasquale, Elena B.
; APPLICANT: Sajjadi, Ferydoun G.
; TITLE OF INVENTION: NOVEL BPH-RELATED TYROSINE KINASES,
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES, AND METHODS OF USE
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States of America
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/162,809
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1011 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-162-809-12

Query Match 96.5%; Score 4934.5; DB 1; Length 1011;
Best Local Similarity 94.0%; Pred. No. 0;
Matches 930; Conservative 28; Mismatches 12; Indels 19; Gaps 3;

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QY 1 LLAAVEETLMDSTTATAELGWMVHPSPGWEVSGYDENMMNTIRTYQVCNVFESSQNNWLR 60
DB 23 LLAAVEETLMDSTTATAELGWMVHPSPGWEVSGYDENMMNTIRTYQVCNVFESSQNNWLR 82
QY 61 TKFIRRGARHIVHMKFSVRDCSSIPSPGSCKETFNLYYEADSDATKTFPNNMNP 120
DB 83 TKYIRRGARHIVHMKFSVRDCSSIPSPGSCKETFNLYYEADSDATKTFPNNMNP 142
QY 121 WKVVDTTAADESPQVDLGRVMKINTEVRSPGVSKNGFYLAQDYGCCMSLIAVRVY 180
DB 143 WKVVDTTAADESPQVDLGRVMKINTEVRSPGVSKNGFYLAQDYGCCMSLIAVRVY 202
QY 181 RKPRIIIONGAIFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLPVIGRC 240
DB 203 RKPRIIIONGAIFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGWLPVIGRC 262
QY 241 MCKAGFAVENGTVCRCPSGTGKANGQDEACTHCPINSRTTSEGATNCVCRNGYRADL 300
DB 263 MCRPGYESVNGTVCRCPSGTGKANGQDEACTHCPINSRTTSEGATNCVCRNGYRADL 322
QY 301 DPLDMPCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR 360
DB 323 DPVDMFCTTIPSAQAVISSVNETSLMLEWTPPRDGGREDLVYNIICKSCSGRGACTR 382
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QY 718 MYLADMYVHRDLAARNILVNSLVKVSDFGLSRFLDDTSDPTYSALGGKPIRWT 777
DB 743 MYLADMYVHRDLAARNILVNSLVKVSDFGLSRFLDDTSDPTYSALGGKPIRWT 802
QY 778 APEALQYRKFTSASDVMSYGVIMVMSYGERPYMDMTNQDVINAIEQDYRLPPMDCPN 837
DB 803 APEALQYRKFTSASDVMSYGVIMVMSYGERPYMDMTNQDVINAIEQDYRLPPMDCPN 862
QY 838 ALHQLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPLDRTIPDYT 897
DB 863 ALHQLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPLDRTIPDYT 922
QY 898 SPNTVDEMLEALIKMGOYKESFANAGFTSFDDVVSOMMEDILRVGVTLAGHOKILNSIQV 957
DB 923 SPNTVDEMLEALIKMGOYKESFASAGFTTFDVSQMTVEDILRVGVTLAGHOKILNSIQV 982
QY 958 MRAQMNQIQSV 970
DB 983 MRAQMNQIQSV 995

RESULT 8

US-08-673-789-6
; Sequence 6, Application US/08673789
; Patent No. 5814479
; GENERAL INFORMATION:
; APPLICANT: ZHOU, RENPING; SCHULZ, NICHOLAS,
; APPLICANT: T.; KROMER, LAWRENCE, F.; VANDE WOUDE,
; APPLICANT: GEORGE, F.
; TITLE OF INVENTION: BSK RECEPTOR LIKE
; TITLE OF INVENTION: TYROSINE KINASE AND LIGAND AND THEIR
; TITLE OF INVENTION: USE IN DIAGNOSTIC AND THERAPEUTIC
; TITLE OF INVENTION: METHODS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM: DISK
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/673,789
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/177,812
; FILING DATE: 04-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: CAROL M. GRUPPI
; REGISTRATION NUMBER: 37,341
; REFERENCE/DOCKET NUMBER: 2026-4105
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 984
; TYPE: AMINO ACID
; STRANDEDNESS: UNKNOWN
; TOPOLOGY: UNKNOWN
US-08-673-789-6

Query Match 76.4%; Score 3909.5; DB 2; Length 984;
- Best Local Similarity 73.9%; Pred. No. 3.5e-290;
Matches 716; Conservative 128; Mismatches 122; Indels 3; Gaps 2;

QY 2 LAAVEETLMDSTTATAELGWMVHPSPGMBEVSQYDENMNTIRTYQCNVPFESSQNNWLT 61
DB 15 VAAMESTLMDSTRTATAELGWTANPASGWEVSQYDENLNTIRTYQCNVPFQNNWLT 74
QY 62 KFTRRGAHRHIVHEMFKSVRDCSSIPSPVSGCKEFTNLYYYEADPSAKTIPNNMENW 121
DB 75 TFINRGAHRHIVHEMFTVRDCSSLPNVPSCKETNLYYYEFTSVIAFKKSAFWSEAY 134
QY 122 VKYDTTAADESPQVDLGGVRVMKINTEVRSFGVSRSGFYLAQDQYGGQMSLIAVRFYR 181
DB 135 LKVDTTTAADESFQVDFGRLMKVNTVRSFGPLTENGFLAFQDYGACMSLLSVRFPK 194
QY 182 KCPRIITQNGAIFQETLSGAESTSLVAARSGCTIANABEVDVPILKYNCGDEWLVPICRM 241
DB 195 KCPISIVQNFVAFPEITMTGAESTSLVIARTGTCIPNABEVDVPILKYNCGDEWMPVIGRCT 254
QY 242 CKAGFEAVENGTVCRGCGTFRKANGDDEACTHCPINSTRTSSEGTATNVCVRNGYYRADLD 301
DB 255 CKAGYEP-ENSVACKACPACTFRASQAECSCHSPNSRSPSEASICTCTCTGYRADFD 313
QY 302 PLDMPCCTTIPSAQVAVISSVNETSLMLEWTPPRDSGREDLVNIIICKSCGSGRGACTRC 361
DB 314 PPEVACTSVSPGPRNVIIVNETSIILEWHPRETGRDDVTYNIICKKCRADDRSCSRC 373
QY 362 GDNVQYAPROLGLTEPRIYISDILAHQYTFEIOAVNGVTDQSPSPQFASVNTNQAA 421
DB 374 DNVFVPRQLGLTECHVSISSLWHAFTYTFDIQALNGVSSKSPFPFHQVSVNTNQAA 433
QY 422 PSAVIMHQSRTVDSITLSWSQPDQNGVILQYELQYKEKSEYNATAIKSPNT -V 479
DB 434 PSTVPMHQSATWESITLSWPOPEQNGIILDEYIRYKEHEFNFSMARSGTNTARI 493
QY 480 TGLKAGAIYVQVRAIRVAGYRGYGMQYQTMTEABYQTSIQEKLPIITGSSNAGAVEL 539
DB 494 DGLRPGMVVYVQVRAIRVAGYRGYGMQYQTMTEABYQTSIQEKLPIITGSSNAGAVEL 553
QY 540 IAVVIALVGNRGERADSEYTDKLOHYTSGHITPGMKIYIDPFTYEDNEAVREFAKE 599
DB 554 VSLVAISIVSRKRAYSKAVYSKLOHYSTGRGSPGKVIYIDPFTYEDNEAVREFAKE 613
QY 600 IDISCVKIEQVIGAGEFGEVCSGHLKLPGRKREIFVAITLKSQYTERKORDFLSEASIM 659
DB 614 IDVSFVKIEEVIAGEFGEVVKGRLLKLPGRKREIVAIKTLKAGYSEKQRDFLSEASIM 673
QY 660 QFDHPNTHLEGVUTKSTPMIITEFENGSLDSFLRQNDQOFTVIOLVGMRLGIAAGMK 719
DB 674 QFDHPNTHLEGVUTKSRPVMIIITEFMENGALDSFLRQNDQOFTVIOLVGMRLGIAAGMK 733
QY 720 YLADMYVHRDLAARNILVNSLVKVSDFGLSRFLDDTSDPTYSALGGKPIRWTAP 779
DB 734 YLSENVVHRDLAARNILVNSLVKVSDFGLSRFLDDTSDPTYSALGGKPIRWTAP 793
QY 780 EAIQYRKFTSASDVMSYGVIMVMSYGERPYMDMTNQDVINAIEQDYRLPPMDCPN 839
DB 794 EAIQYRKFTSASDVMSYGVIMVMSYGERPYMDMTNQDVINAIEQDYRLPPMDCPN 853
QY 840 HOLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPLDRTIPDYT 899
DB 854 HOLMLDCWKDRNHRPKFGQIVNTLDKMRNPNSLKAMAPLSSGINLPLDRTIPDYT 913
QY 900 NTVDEMLEALIKMGOYKESFANAGFTSFDDVVSOMMEDILRVGVTLAGHOKILNSIQV 959
DB 914 TTVDDMLSAIKMWQYRDSFLTAGFTSLQVQMTSEDLRLRIGVTLAGHOKILNSIHMR 973
QY 960 AQMNQIQSV 968
DB 974 VQMNQSPSV 982

RESULT 9

US-08-162-809-2
; Sequence 2, Application US/08162809
; Patent No. 5457048

TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-162-809-10

Query Match 71.5%; Score 3656; DB 1; Length 973;
Best Local Similarity 71.0%; Pred. No. 8.3e-271;
Matches 682; Conservative 120; Mismatches 145; Indels 14; Gaps 5;

QY 16 TAEGLMWHPPSGWEVSGYDENNTIRTYQVCNVFESSQNNWLRTRKFIERRGAHRHVE 75
Db 21 TSELAWTHPTGWEVSGYDEAMNPRTYQVCNVREANQNWLRTKFIQRQDYQRYVE 80

QY 76 MKFVRDCSSITPSVPGSKETFNLYYEADFDSTKTFPPNNWNPWVKVDTIAADESFQ 135
Db 81 LKFTVRDCNSIPNIPGSKETFNLYYESDTSASANSFPWNPYIKVDTIAPDESFSK 140

QY 136 VDLGRVWKINTEVRSFGVSRSGFYLAFOYGGCMLIAVRFYKRCPRIIQNGAIFQE 195
Db 141 LESG----RVNTKVRSFGPLSKNGFYLAFOYGGCMLISVRAFYKCSNTIAGFAIFPE 196

QY 196 TILSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLPIGRCMCKAGFEAVENGTV 255
Db 197 TLTGAETSLVATGCTCPINAEVSVPLKLYCNGDGEWMPVPGACTCAAGYEPAMKDTQC 256

QY 256 RCPGSGTKANQDGAACHCPINSRTTSEGATNCVRNGYRADLDPLDMCTTIPSAPO 315
Db 257 QACGPTFKSKQGEPCPCPNSTTGAATVCIKCSVERRLCSRDDNVEFPRLGLT 316

QY 316 AVISSVNETSLMWTTPRDSGGREDLVNIIKCSGSGRGACTRCGDNVQVAPROL--- 372
Db 317 SVISNVNETSLVLEWSEPDAGRDLLYNVICKSVERRLCSCDDNVEFPRLGLT 376

QY 373 GLTEPRIYISDLAHTQYTFEIOAVNGVTDQSPFQFASVNITNQAPSAVSMHQS 432
Db 377 GLTERRIYISKVAHPQYTFEIOAVNGVTDQSPFQFASVNITNQAPSAVPTMILHS 436

QY 433 RTVDSITLSWSQDQNGVILQYQYKE--LSEVNATAIKSPNTV--TGLKAGAYV 489
Db 437 STGNSMTLSWTPPERNGIILYKISEKQGGGIANVTISQKNSVRLDGLKANARYM 496

QY 490 FOVRARTVAGYGRYSKMTFOITAEYQTSIQEKLPLIIGSSAAGLVFLIAVVVIAVC 549
Db 497 QVQVARTVAGYGRYSLPTEFQITAEQDSTKTFQELPLIVGSATAGLLFVIVVIAVC 556

QY 550 NRGFPBRADSEYTDKLOHTSGHITPGMKIYIDPFTYEDPNEAVREFAKEIDISCVKIE 609
Db 557 FRQQRNSTDPXTEKLQY---VTFGKMYIDPFTYEDPNEAVREFAKEIDISCVKIE 612

QY 610 VIGAGEFGEVCSGHLKLPCKREIFVAIKTLKSGYTEKQRDEFLSEASINGQFDHNVHL 669
Db 613 VIGAGEFGEVCSGHLKLPCKREIFVAIKTLKSGYTEKQRDEFLSEASINGQFDHNVHL 672

QY 670 EGVVTKSTPWIITEFENSGSLDSFLRQNDGQFTVQLVGMRLGRTAAGMKYLDMMYVHR 729
Db 673 EGVVTKSRPWIITEFENSGSLDSFLRQNDGQFTVQLVGMRLGRTAAGMKYLDMMYVHR 732

QY 730 DLARNILVNSLVCKVSPGLSRFLEDDTSDPTYSALGGKFPRTWTAPEAIQYRKFTS 789
Db 733 DLARNILVNSLVCKVSPGLSRFLEDDTSDPTYSALGGKFPRTWTAPEAIQYRKFTS 792

QY 790 ASDVWSYGIYVMEVWSYGERPYWDMTNQDVINAIEQDYLRLPPMDCPSLHQLMLDCWOK 849
Db 793 ASDVWSYGIYVMEVWSYGERPYWDMTNQDVINAIEQDYLRLPPMDCPSLHQLMLDCWOK 852

QY 850 DRNHRKFGQIVNTLDKMTENPNSLKAMAPLSSGINKLPLDRTIPDYTSFNTVDEWLEAI 909
Db 853 DRNLRPKFAQIVNTLDKLRNAASLVKVIASVQSGVSPQLDLRTVPDYTIPTVGVDMWDAL 912

QY 910 KMGYKESFANAGTSPDVVSOMMEDILRVGVTLAGHQKILNSIQVVRQAQNIQOSVE 969
Db 913 KMGYKESFANAGTSPDVVSOMMEDILRVGVTLAGHQKILNSIQVVRQAQNIQOSVE 972

QY 970 V 970
Db 973 V 973

RESULT 11
US-08-162-809-14
; Sequence 14, Application US/08162809
; Patent No. 5457048
; GENERAL INFORMATION:
; APPLICANT: Pasquale, Elena B.
; APPLICANT: Sajjadi, Fereydoon G.
; TITLE OF INVENTION: NOVEL BPH-RELATED TYROSINE KINASES,
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES, AND METHODS OF USE
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CAMPBELL AND FLORES
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States of America
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/162,809
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9503
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 988 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-162-809-14

Query Match 71.3%; Score 3649.5; DB 1; Length 988;
Best Local Similarity 70.0%; Pred. No. 2.7e-270;
Matches 683; Conservative 120; Mismatches 144; Indels 29; Gaps 6;

QY 16 TAEGLMWHPPSGWEVSGYDENNTIRTYQVCNVFESSQNNWLRTRKFIERRGAHRHVE 75
Db 21 TSELAWTHPTGWEVSGYDEAMNPRTYQVCNVREANQNWLRTKFIQRQDYQRYVE 80

QY 76 MKFVRDCSSITPSVPGSKETFNLYYEADFDSTKTFPPNNWNPWVKVDTIAADESFQ 135
Db 81 LKFTVRDCNSIPNIPGSKETFNLYYESDTSASANSFPWNPYIKVDTIAPDESFSK 140

QY 136 VDLGRVWKINTEVRSFGVSRSGFYLAFOYGGCMLIAVRFYKRCPRIIQNGAIFQE 195
Db 141 LESG----RVNTKVRSFGPLSKNGFYLAFOYGGCMLISVRAFYKCSNTIAGFAIFPE 196

QY 196 TILSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLPIGRCMCKAGFEAVENGTV 255
Db 197 TLTGAETSLVATGCTCPINAEVSVPLKLYCNGDGEWMPVPGACTCAAGYEPAMKDTQC 256

QY 256 RCPGSGTKANQDGAACHCPINSRTTSEGATNCVRNGYRADLDPLDMCTTIPSAPO 315
Db 257 QACGPTFKSKQGEPCPCPNSTTGAATVCIKCSVERRLCSRDDNVEFPRLGLT 316

QY 316 AVISSVNETSLMWTTPRDSGGREDLVNIIKCSGSGRGACTRCGDNVQVAPROL--- 372
Db 317 SVISNVNETSLVLEWSEPDAGRDLLYNVICKSVERRLCSCDDNVEFPRLGLT 376

QY 899 FNTVDEWLEAIKMGQYKESFANAGTSPDVVVSOMMEDILRVGTLAGHOKKILNSIQVM 958
Db 927 FTTVGDMLDAIKMGRIKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHOKKILSSIQDM 986

QY 959 RAQWNIQISVEV 970
Db 987 RLQWNTLPQV 998

RESULT 13
US-08-702-367A-20
; Sequence 20, Application US/08702367A
; Patent No. 5981246

; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBW
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702.367A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 998 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-702-367A-20

Query Match 71.0%; Score 3632.5; DB 2; Length 998;
Best Local Similarity 70.5%; Pred. No. 5.4e-269;
Matches 685; Conservative 114; Mismatches 158; Indels 15; Gaps 6;

QY 4 AVEETLMDSTTATAELGWVHPSPGHEEVSVDENMTTIRTYQVCNVPESQNNWLRKF 63
Db 37 ALSEETLMDTKWVTSELAWTSHPESGHEEVSVDENMTTIRTYQVCNVPESQNNWLRTP 96
QY 64 IRERGAIHIVEMKFSVRDCSSIPSPGCKETFNLYYEADPDGATKTFPNWNNPNWVK 123
Db 97 IWARDVQRVVELKFTVRONCSIPNIPGCKETFNLYYEADSDVASASSPFMMENPVYK 156
QY 124 VDTIAADESFQVDLGGRVNKNTEVRSFGVSRSGFYLAPODYGCMSLIIAVRVYRKC 183
Db 157 VDTIAPDESFSRLDAG---RVNTKVRSPGLSKAGFYLAPODYGCMSLIIAVRVYRKC 212
QY 184 PRIQNGAFOETLSGAESTSLVAARGSCIANAEVDVPIKLYCNGDGEWLVPICRCMK 243
Db 213 ASTTAGFALPELTGTAEPTSLVAPGCTIPNAVEVSFLKLYCNGDGEWMPVGNCTCA 272
QY 244 AGFEAVENGTVRCGSPGTFKANKQGEACTHCFINSRTTSEBGNVCNCGYVRADLDPL 303
Db 273 TGHEPAKESQCRCPGPGSVYKAKQGGPCPLPCPPNSKTTSPAASICTCHNNFYRADSDSA 332
QY 304 DMPCTTIPSAQVAISVNETSLMLETTPRDSGGREDLVNLIICKSC--GSGRGACTRC 361

Db 333 DSACTTVPSPRGVTSNNVETSLILEWSEPRDLGVDRDLLVNVICKCHGAGSACSRC 392
QY 362 GNVOYAPRQLGLTEPRIVISDLAHTQYTFEIQAVNGVTQSPFPOFASVNIITNQAA 421
Db 393 DNVEFVPRQLGLSEPRVHTSHLAHRTYTFEVAVNGVSGKSLPVPYAAVNIITNQAA 452
QY 422 PSAVISIMHOVSRTVDSITLSWSQOPQNGVILDYLOYEKELSEYNATAIKSPNTV-- 479
Db 453 PSEVPTLRHLHSSSGSLTSLWAPPRNGVILDYEMKYFEK--SEGIASVTQSNVSQVL 510
QY 480 TGLKAGAIYVFOVRARTVAGYGRYKMYFQMTF--AEYQTSIQEKLPLIIGSSAAGLVF 538
Db 511 DGLRPDARYVQVRARTVAGYGRYKMYFQMTF--AEYQTSIQEKLPLIIGSSAAGLVF 570
QY 539 LIAVVVIAIVCNRRGFERADSEYTKLQHYTSGHITPGMKIYIDPFTYEDPNEAREPAK 598
Db 571 VVAVVVIAIVCLRKQHGSDSEYTKLQY----IAPGMKVYIDPFTYEDPNEAREPAK 626
QY 599 EIDISCVKIEQVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIM 658
Db 627 EIDVSCVKEIEVIGAGEFGEVCSGHLKLPKREIFVAIKTLKSGYTEKORRDFLSEASIM 686
QY 659 GQFDHPNVILHGVVTKSTFVNMIIITFEMENGSLDSFLRQNDGQFTVIQVGLMRLGIAAGM 718
Db 687 GQFDHPNVILHGVVTKSTFVNMIIITFEMENGSLDSFLRQNDGQFTVIQVGLMRLGIAAGM 746
QY 719 KYLADMYVHRDLAARNILVNSNLVCKVSDGFLSREDDTSDPTVTSALGGKFPWRWA 778
Db 747 KYLSEMYVHRDLAARNILVNSNLVCKVSDGFLSREDDTSDPTVTSALGGKFPWRWA 806
QY 779 PEAIQYRKFTSASDVMSYGIWVMEVMSYGERPYWDMTNDQVINAIEQDYRLPMDPCPSA 838
Db 807 PEAIQYRKFTSASDVMSYGIWVMEVMSYGERPYWDMTNDQVINAIEQDYRLPMDPCPSA 866
QY 839 LHQMLDQWOKDRNHRPKFQIIVNTLDKMTNPNLSIKAMAPLSSGINLPLDRTIPDYS 898
Db 867 LHQMLDQWOKDRNHRPKFQIIVNTLDKMTNPNLSIKAMAPLSSGINLPLDRTIPDYS 926
QY 899 FNTVDEWLEAIKMGQYKESFANAGTSPDVVVSOMMEDILRVGTLAGHOKKILNSIQVM 958
Db 927 FTTVGDMLDAIKMGRIKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHOKKILSSIQDM 986
QY 959 RAQWNIQISVEV 970
Db 987 RLQWNTLPQV 998

RESULT 14
PCT-US95-04681-20
; Sequence 20, Application PC/TUS9504681
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBW
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04681
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.

Search completed: July 20, 2004, 10:18:33
Job time : 27 secs

Banks Std U.S. PTD